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NO. 7017 P. 5

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/602,974
				Filing Date	June 24, 2003
				First Named Inventor	Menchen et al.
				Group Art Unit	1625
				Examiner Name	Z. Davis
Sheet	1	of	3	Attorney Docket No.	4365D4

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
[Signature]		5,405,975	A	Kuhn et al.	04-11-1995	
		5,434,272	A	Corrie et al.	07-18-1995	
		5,750,409		Herman et al.	05-12-1998	
		5,936,087	A	Benson et al.	08-10-1999	
		6,008,379	A	Benson et al.	12-28-1999	
		6,020,481	A	Benson et al.	02-01-2000	
		6,051,719	A	Benson et al.	04-18-2000	
		6,080,868	A	Lee et al.	06-27-2000	
		6,111,116	A	Benson et al.	08-29-2000	
		6,130,101	A	Mao et al.	10-10-2000	
		6,221,606	B1	Benson et al.	04-24-2001	
		6,248,884	B1	Lam et al.	06-19-2001	
		6,326,153	B1	Benson et al.	12-04-2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (If known)				
gnd ↓		DE	4137934	A1	Boehringer Mannheim GmbH	11-18-1991		
		EP	0 543 333	A1	Boehringer Mannheim GmbH	05-26-1993		
		WO	94/05688	A1	Applied Biosystems	03-17-1994		
		EP	0 805 190	B1	Perkin-Elmer Corp.	11-05-1997		
		EP	0 940 450	A	Perkin-Elmer Corp.	09-08-1999		
		WO	00/58406	A	The Perkin-Elmer Corp.	10-05-2000		
		WO	00/64988	A	Molecular Probes	11-02-2000		
gnd		EP	1 054 039	A	Roche Diagnostics	11-22-2000		

Examiner Signature	Z. Davis	Date Considered	10.25.2004
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PAGE 57 \* RCVD AT 10/25/2004 5:26:12 PM [Eastern Daylight Time] \* SVR:USPTO-EFXXRF-3/25 \* DNIS:2730682 \* CSID:650 638 6677 \* DURATION (mm:ss):02:16<sup>C</sup>

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		Examiner Name	Z. Davis
		Attorney Docket No.	4365D4
Sheet	2	of	3

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	†
gnd		Arden et al., "Fluorescence and Lasing Properties of Rhodamine Dyes," Jnl. of Luminescence <u>48&amp;49</u> :352-358 (1991)	
		Arden-Jacob, Jutta; Reihe Chemie; Neue langwellige Xanthen-Farbstoffe fur Fluoreszenzsonden und Farbstofflaser; Verlag Shaker, pub.; Prof. Dr. K.H. Drexhage and Prof. Dr. G. von Bunau, eds.; pps. 1-169 (Dec. 12, 1992)	
		Gee et al., "Novel Derivatization of Protein Thiols With Fluorinated Fluoresceins," Tetrahedron Letters <u>3</u> (44):7905-7908 (1996)	
		Haughland et al., "New Fluorescein, Rhodamine and Texa Red Analogs with Higher Fluorescence and Improved Photostability," Proceedings of the Xth International Congress, Histochemistry and Cytochemistry, pp. 273 (1996)	
		Lieberwirth et al., "Development of New Multiplex Dyes: Intramolecular Fluorescence Quenching of Rhodamine Dyes," Jnl. of Fluorescence <u>7</u> (1):598-615	
		Onda et al., "Heterocycles. IV. Photolyses of the 4-Arylacetylated 1,2-Dihydroisoquinoline, Isocarbostyryl and Its Enol Acetates," Chemical and Pharmaceutical Bulletin <u>25</u> (11):2935-2941 (March 12, 1977)	
		Sauer et al., "New Fluorescent Dyes in the Red Region for Biodiagnostics," Jnl. of Fluorescence, <u>5</u> (3):247-261 (1995)	
		Sauer et al., Physikalisches-Chemisches Institut, Heidelberg, Germany and Arden-Jacob et al., Institut for Physikalische Chemie, Siegen, Germany; "Design of Multiplex Dyes for the Detection of Different Biomolecules"	
		Search Report from PCT/US01/44475 dated 05-31-2002	
		Sotomayor et al., "Bischler-Napieralski Cyclization-N/C-Alkylation Sequences for the Construction of Isoquinoline Alkaloids. Synthesis of Protoberberines and Benzo[c]phenanthridines via c-2'-Functionalized 3-Arylisoquinolines <sup>1</sup> ," Journal of Organic Chemistry <u>61</u> (12):4062-4072 (1996)	
		Sun et al., "Synthesis of Fluorinated Fluoresceins," J. Org. Chem. <u>62</u> (19):6469-6475 (1997)	
gnd		Takai, Hideyuki, "Electrophotographic photoconductors," Chemical Abstracts <u>114</u> (22):743 (June 3, 1991)	

Examiner Signature	<i>Z. Davis</i>	Date Considered	10.25.2004
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[illegible]

Examiner Signature	<i>L. A. Davis</i>	Date Considered	10.25.004
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